UNBOUND NOTES AND DRAWINGS
1895

"Cable Address
"Edison, New York"

From the Laboratory
of
Thomas A. Edison.

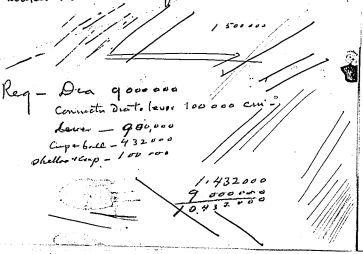
Orange, N.J. Jun 15 95

755

Dia $\frac{1}{1000}$ Thick of Mica 2.5 Spec grav -
1 500 000 Cmills -
average amplitude point ½ that of levers —
or equivalent to 750 000 cmi.

levers about 875 000 cmi - ½ average V.6 435 000 cm

Tube about, 120 000 cm but 5 times as light
meter 23 000 cmi - equivalent.



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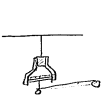
884



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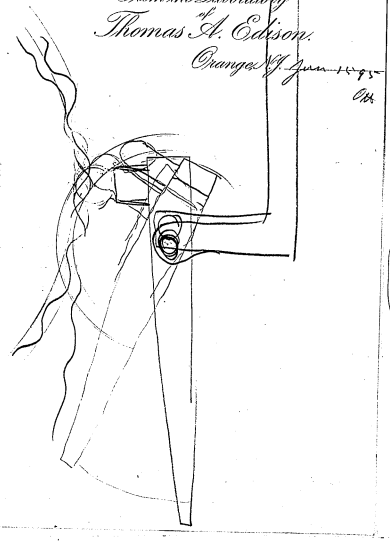
Orange, N.J. June 14 1895

Ott.



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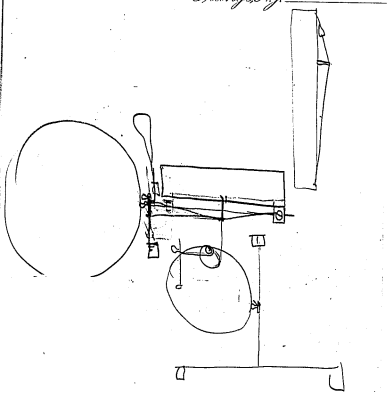

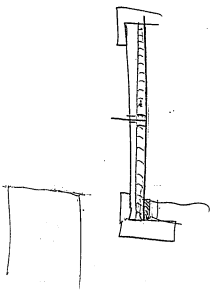

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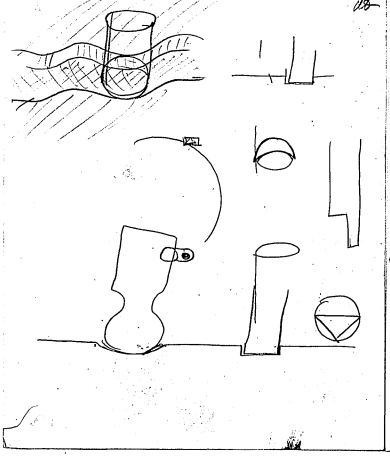

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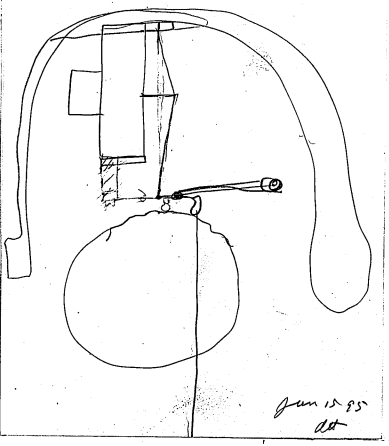
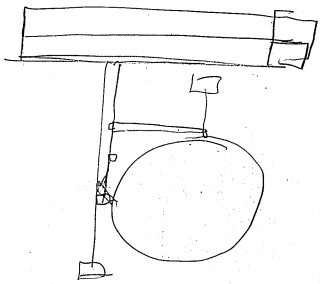


June 13 95



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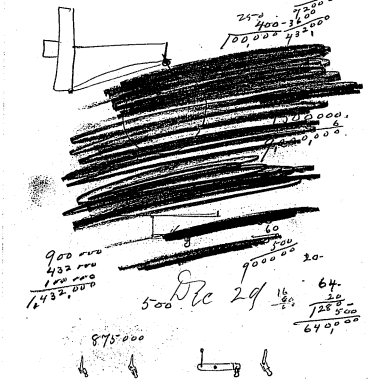

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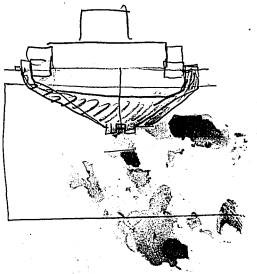

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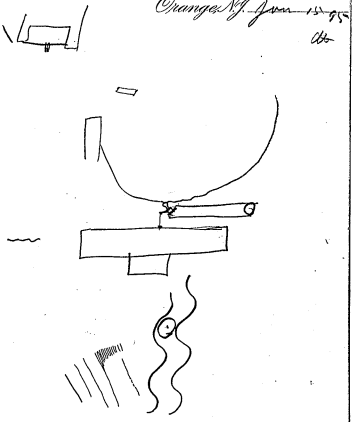
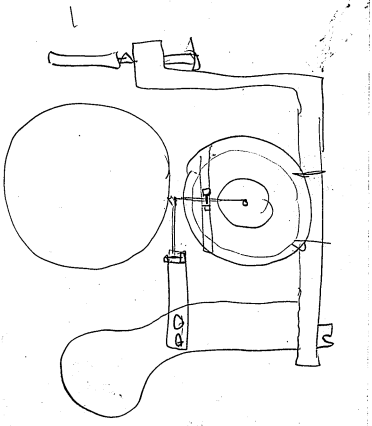


Jan 15 95



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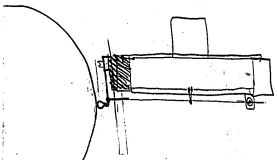

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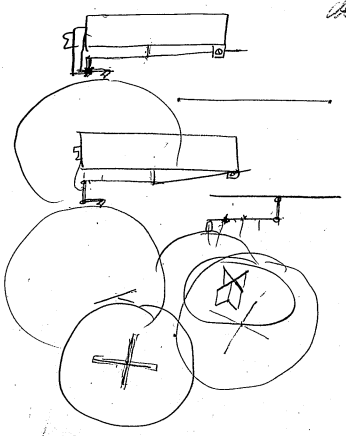

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Orange, N.J. Jan 15 95

1 inch -

40/128

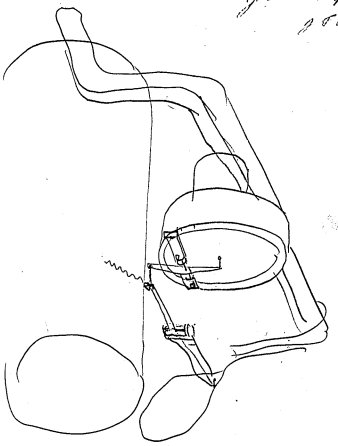
1250
1250
6250

125
25
5
625

CM 1/1000 Thick

1600
120
3200
1600
192000

250
3500
1250
875000



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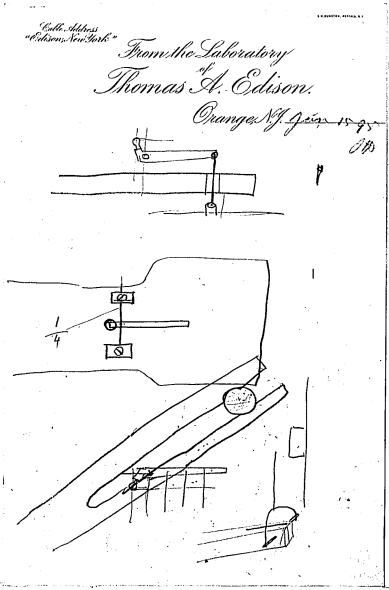
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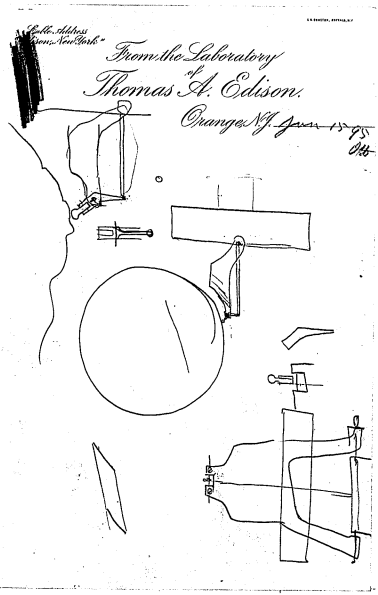
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Orange N.J.

Boston Colorado Colorado

40 0 0 0

8000-

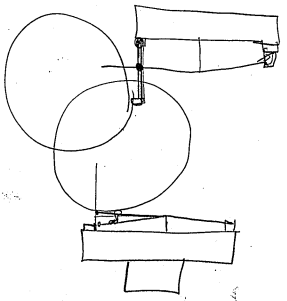
2000-

Boston Colorado

Boston Colorado Boston Boston

Boston

Jan 15 95



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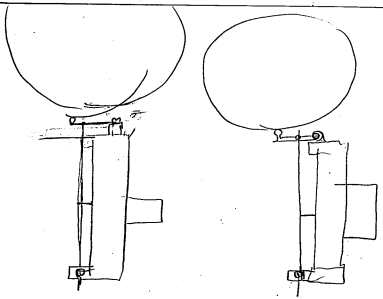

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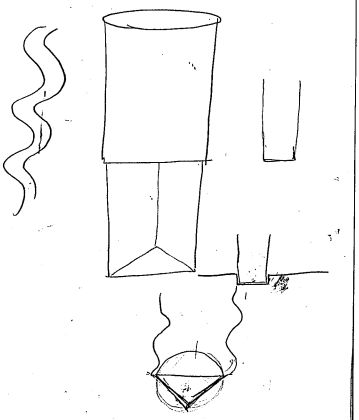

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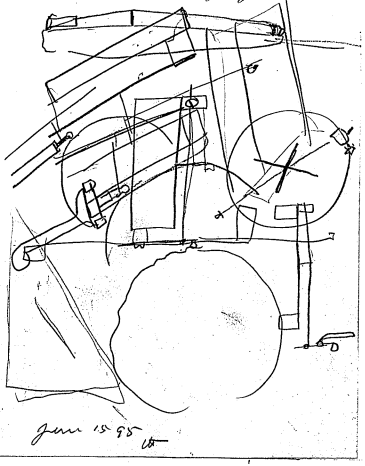

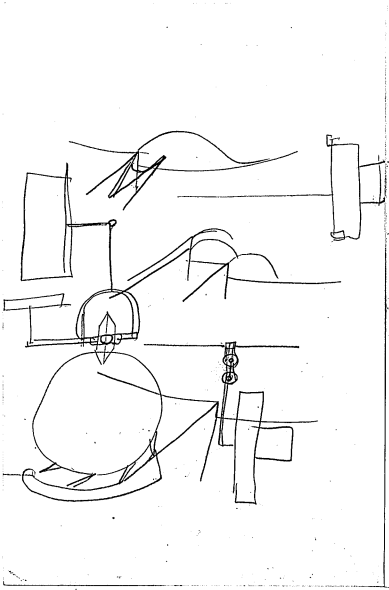

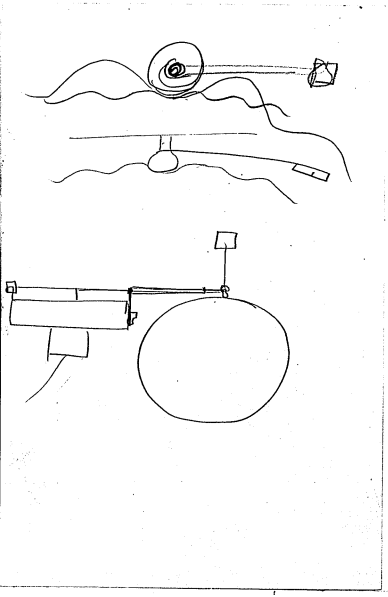

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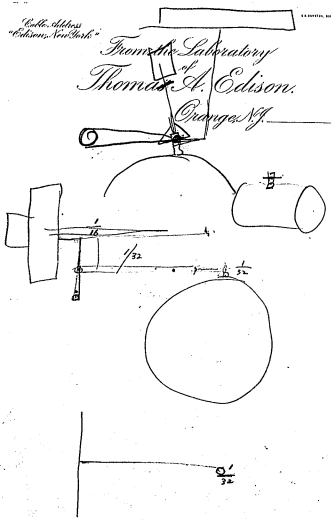

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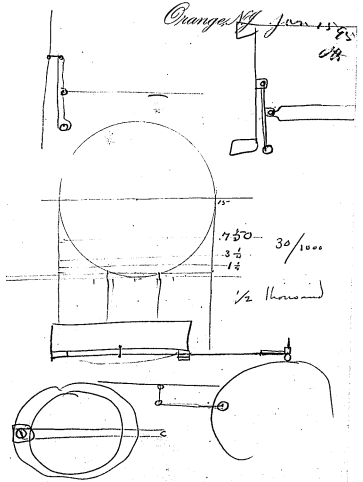

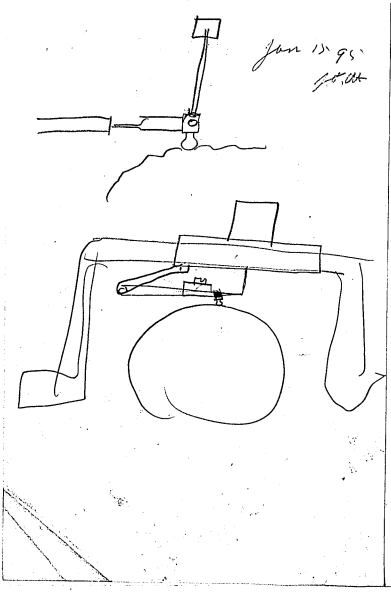

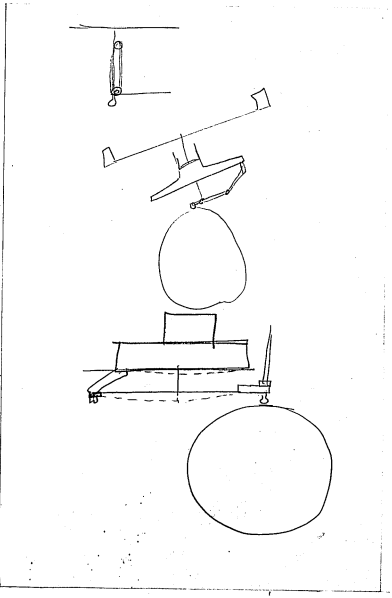

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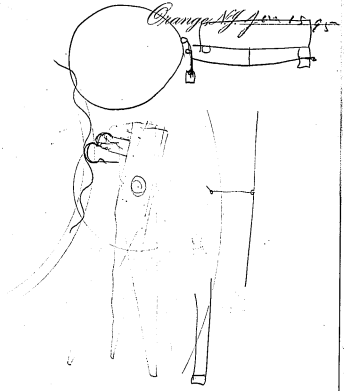

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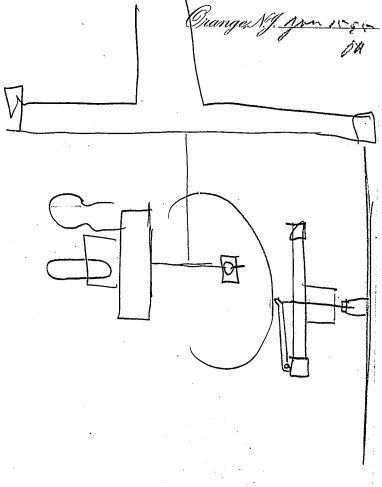
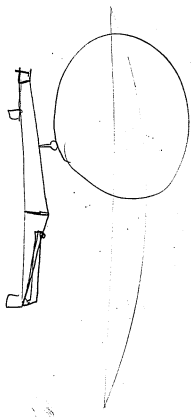
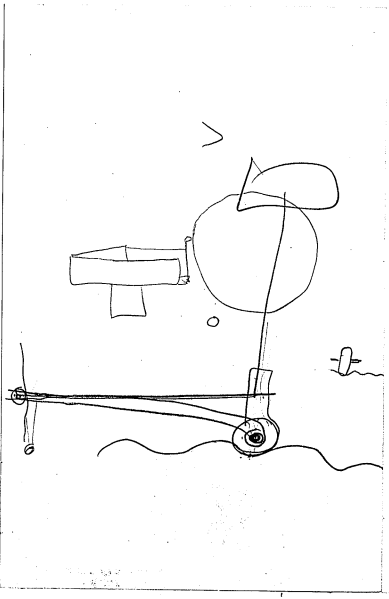


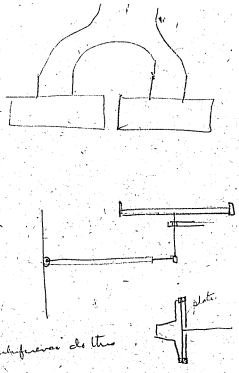




Well Rosin cylinder Combin with an alkali in warm water (15) the surface also a salt of an insol Resinate such as acetate of lead lime etc Limewater – Bluyta Caustic Soda etc

Perhaps a Soap (ordinary) wash may on account of water in it be a conductor and a high Emf weight heat End of point by decomposition might be handled by Salt water Solution.

Jan 15 '95
JA



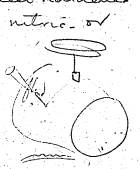
Jan 15 '95

It is evident that it is the sound wave action on the die direct within the chamber which causes the ball to follow the record of the listening tube is taken out the ball jumps & does not follow record whereas if inserted the forward movement of the die compresses air & this expanding causes the ball to be forced by the air wave to follow the other part of the wave hence these air waves are unbounded & far more powerful than any spring - hence a separate closed die chamber shaved to connect with ball & for air wave pressure & another die connected to ball to reproduce with

OOW June 15 95

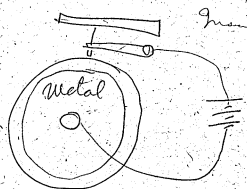
Rubber point ~~Goat~~ point para to make more friction Record on dipped asphalt Cylinder. - a very thin rotary wax square flat of steel with minute points - or Rosin

point used may be steel hardened & dipped in Soy or nitric or Chromatized.



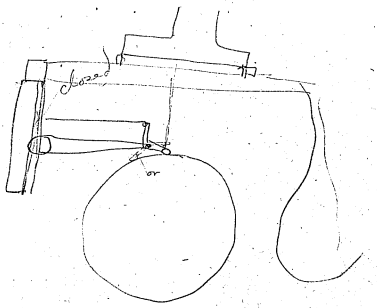
~~Try dipping~~

Mandrel



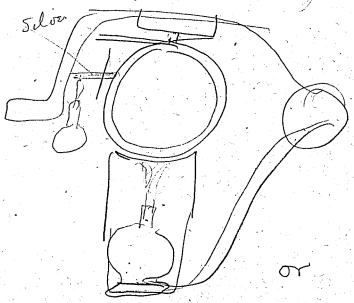
June 15 95

Reproduce by friction.



June 15, 95

Silver



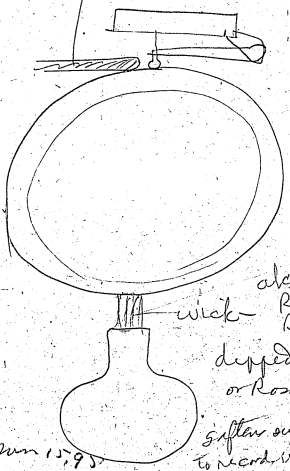
or

glass cylinder or metal
with travelling lamp + ball recorder
dipped asphalt or Rosin

June 15, 95

June 15, 95

also heat Silver wire
on Cylinder or Chamber surface



June 15, 95

See if can dip cylinder veg wax on hot shell so as to get it very thin

Make cylinder of that very sensitive. Veg wax when use boiled acetate fume with + Harris thumb he had rubber in then heat + record with 20/1000 Gall in fixed Recorder —

Put 20/1000 Gall in fixed Recorder indent + reproduce by friction reproducer with 20/1000 Gall also —

Jan 15 '81

Make solution of dry - (very dry) soap in alcohol + dip cylinder. Indent

See if conc solution sugar time will give film by dipping - soft it will dry - if so poly can indent soft then harden by alcohol or alcoholic acid solution — or Carbone acid gas — or methyl a fumes —

dipped shellac film soften by alcoholic acid — very slowly

Turpentine varnish (12) Rosin or other gums = then soften after drying by work or heat,

Jan 15 '81

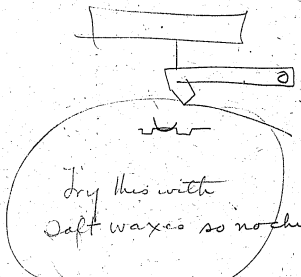
Harris makes one fused chl Sod

Harris to pp the Sl carb soda by water or alcohol into a Sal & acid salt & malt acid salt See what diff in it has

also make a cylinder of resp wax with excess of Soda to give an excess of acid salt so it will work better in al or water perhaps water will do it if get ruff alkali in excess

Try running Resp Cyl in glycerol daily

Jan 15 95

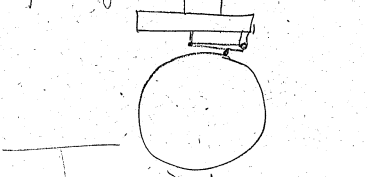


Try this with soft waxes so no chip taken out

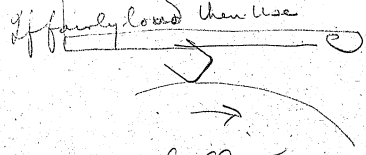
Clean Japan - Soap - paraffine - Japan and petrol with olive etc,

Jan 15 95

Try a fused Recorder on Reg soft wax with gain of Coverage Thin



If family Loved then use



unloaded ball —

Jan 15 85

See how thin a cylinder or shell of Regular wax on a coated cylinder can be dipped This could be turned off of put on slightly taper ground cylinder + take place after foil — There may be other film cylinder made this way —

perhaps Oleate Aluminum Magnesium Etc =

Sapon dipped on mandrel glass cylinder with grease or something stop slider —

If Reg wax dipped on mandrel of polished cylinder it will contract away pretty well without oil —

Jan 15 85

Take reg cylinder turn off leave on mandrill take off mandrel + all + dip in Ethyl for 30 minutes Dry + put back + used fixed Recorder with 20/1000 Gall —

perhaps a fixed smoother in advance of Gall just to level down top slightly rounded at top scratch of Unevenness happen to be too much —

Jan. 13, 95 —

The ideals of the alkalis being soluable + those of alumina magnesia Etc insoluable and Rosin being sol in alcohol —

Try Cylinder of Reg wax with Rosin in various proportion + dis out Rosin by alcohol —

Try Reg cylinder melted up with excess soda. then dis by water — also make a dilute soda Cy + add excess soda + dis in al + water —

Jan 13, 95

If a watery solution is to be put on the cylinder in a thin line, a wax pen should be used to throw the top of the line in undulations, - find the best solution probably ammonio-acetate iron or other solution solution or an ink a pen like a draughts pen can be used to make the lines - it should be reversed on just as it gets a little stiff. India ink itself might be used on metal or glass -

June 15 95
AH

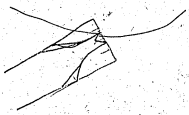
Try sulphur dissolved in Carbonic bisulphide dip cylinder of metal also try trace of deposit for undulating -?

dip metal the cy in Nitrate Silver Sol, then submit to vapour HCl -

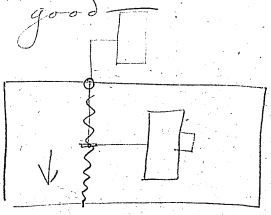
Very soft stiff shaved hair point like this for undulating

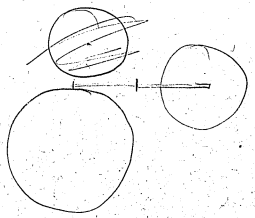
So as not to bump up or carry it up front like a worm Say 150/1000 dia 1/2 Ball -

See if after undulating rez wax with ball - holding soft lamp block or sleeving it over cylinder will be related to Eddy fication - June 15 95
AH



good





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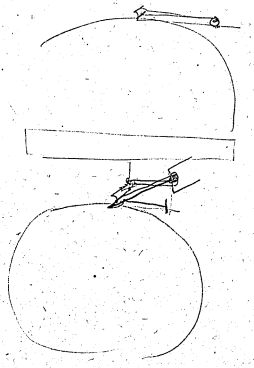

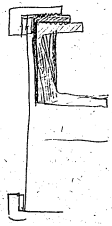

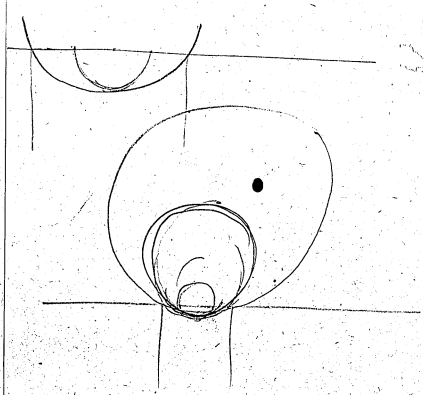

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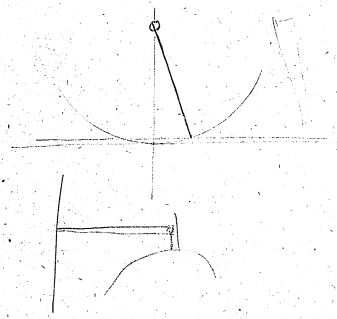

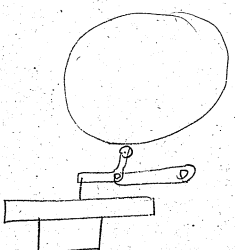

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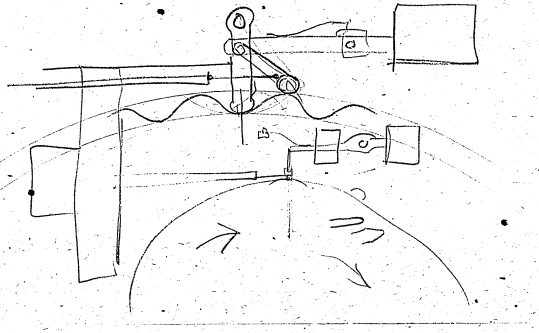

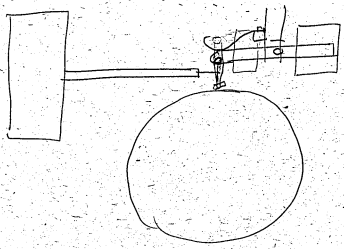

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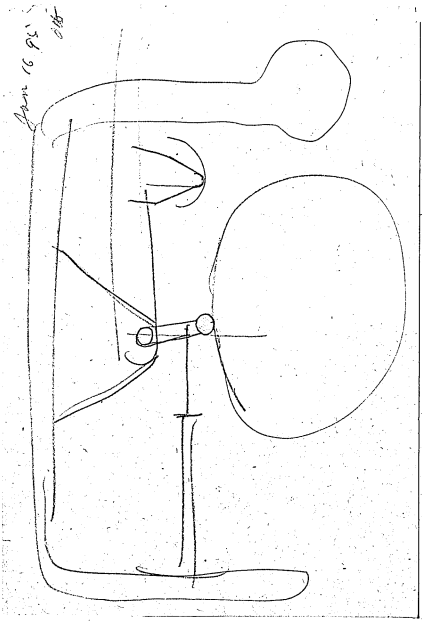

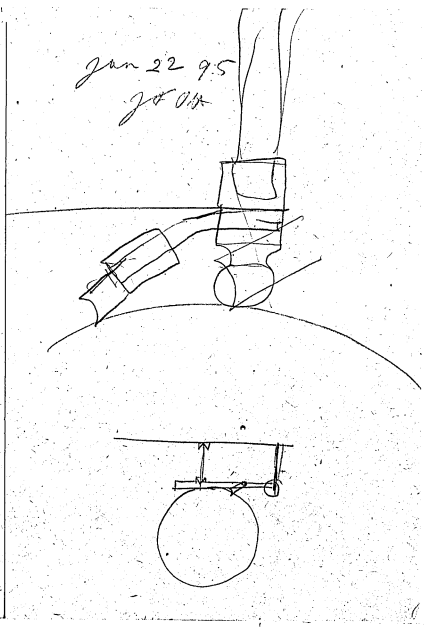
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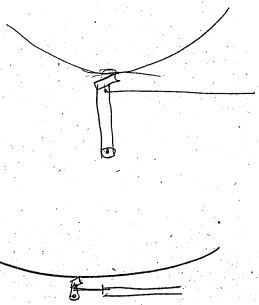

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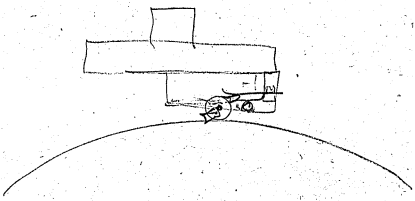

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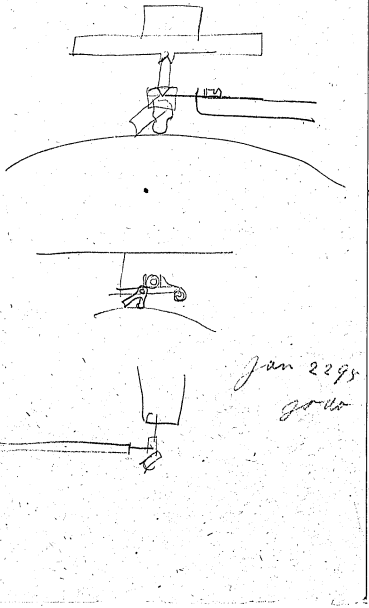
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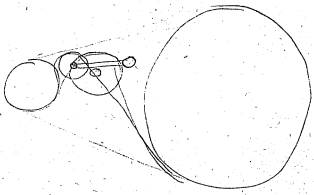

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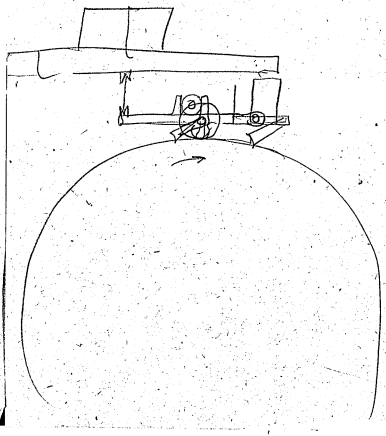

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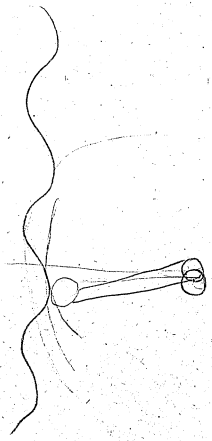

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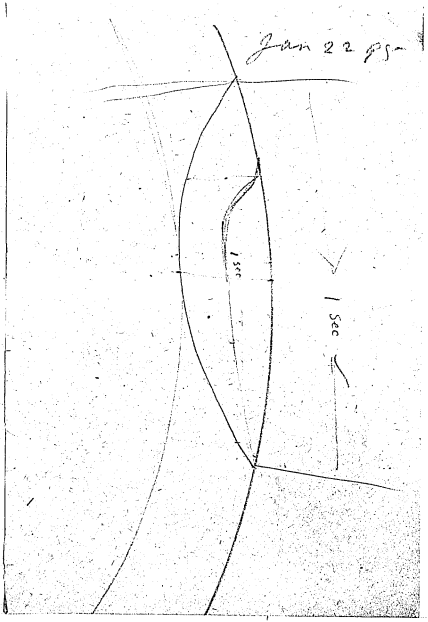

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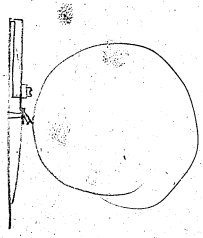

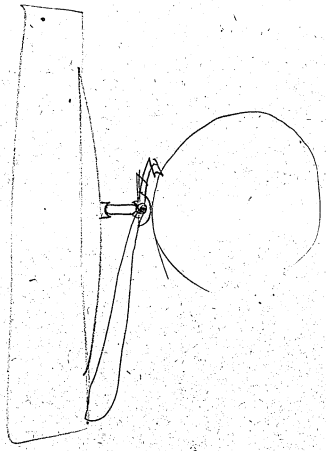

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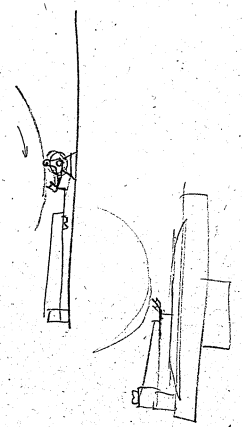

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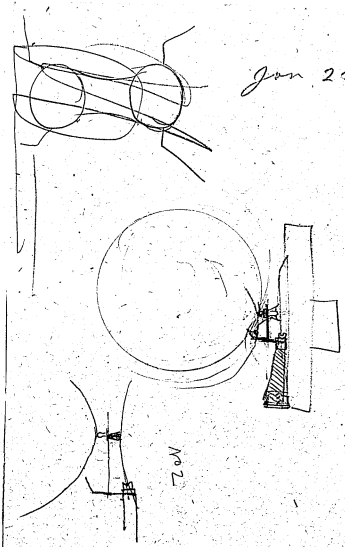

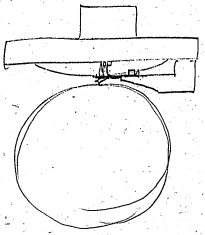

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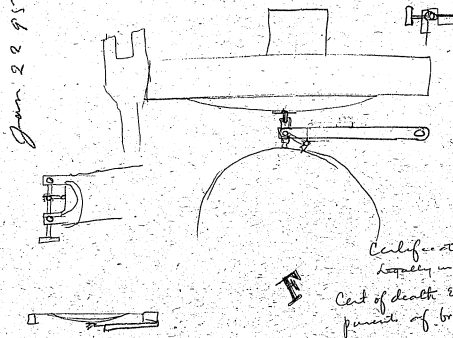

Beam 22 psf

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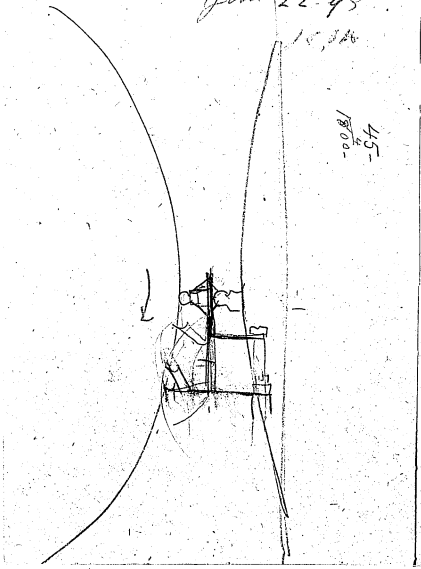
Certificate of Birth Bride
Legally indemnify Consent Body
Cert of death every one of grand
parents of bride

Jan 22 95



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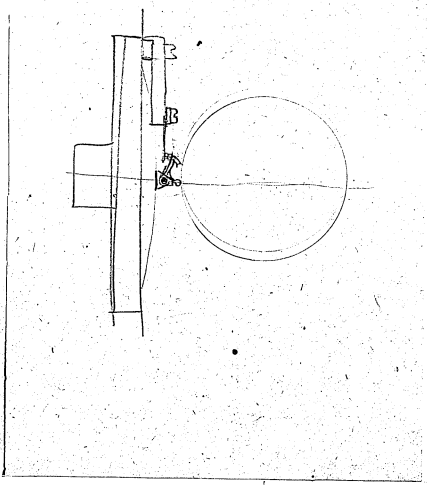

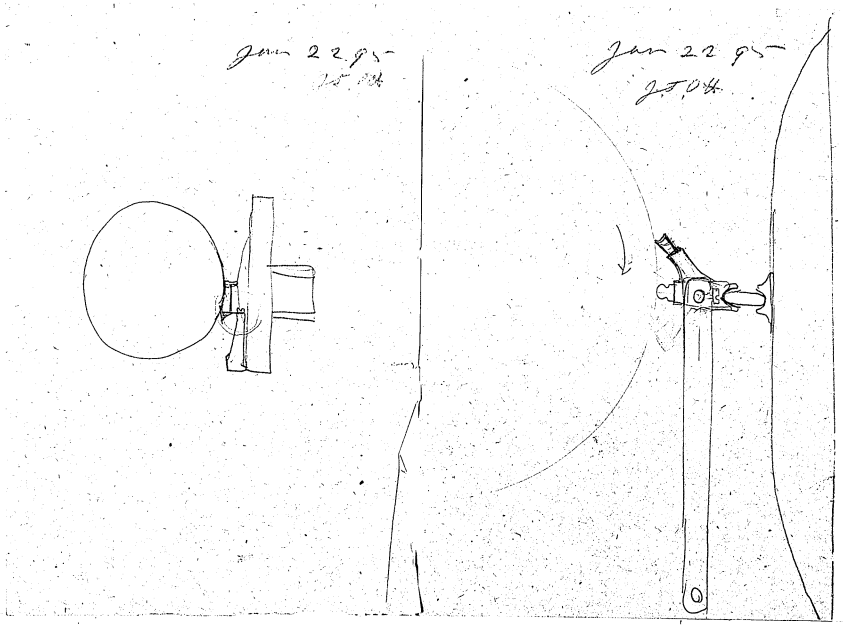
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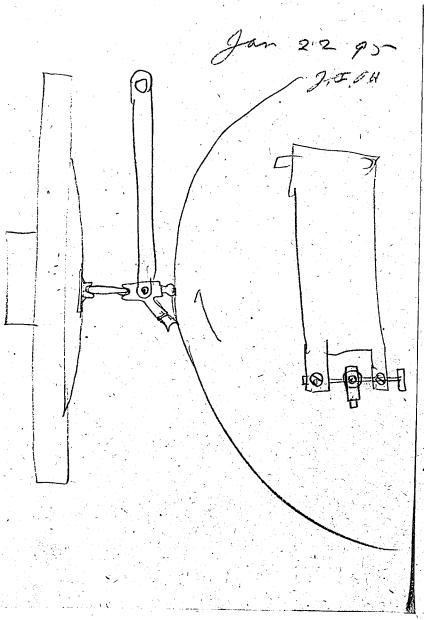
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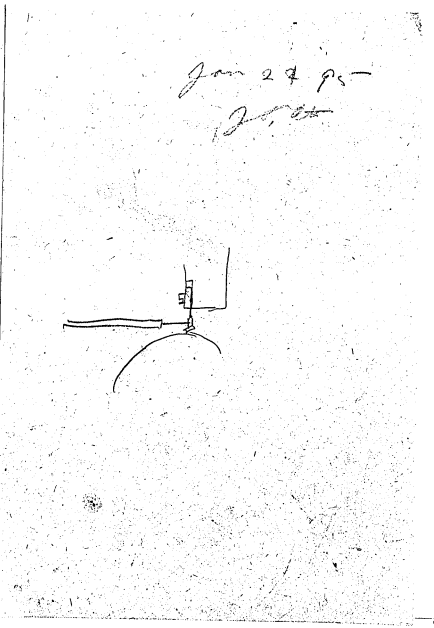
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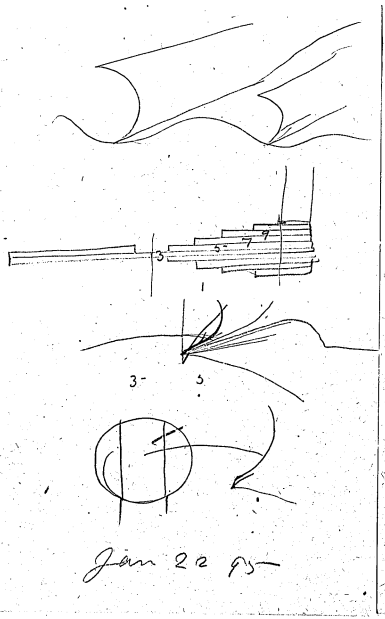
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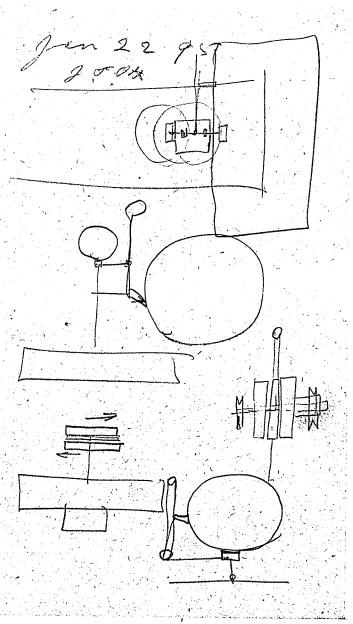
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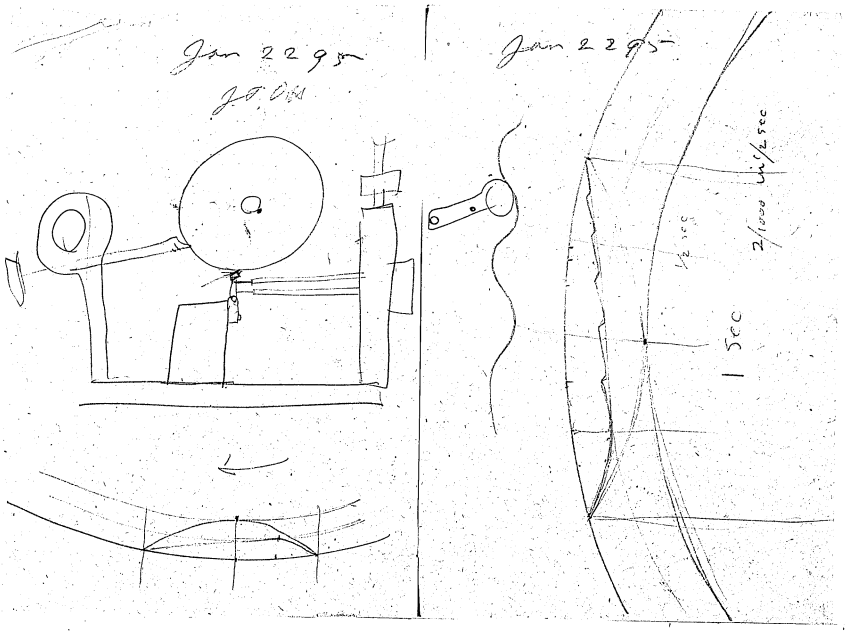
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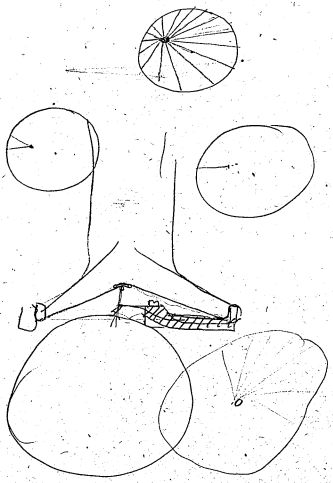

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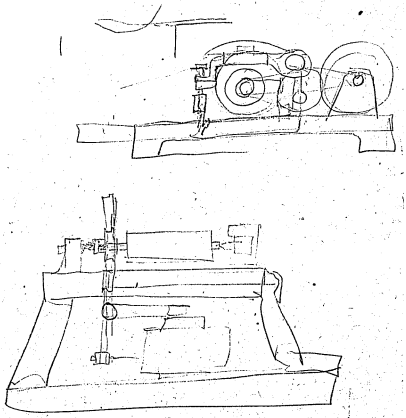

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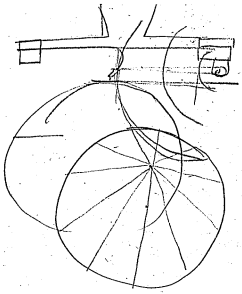

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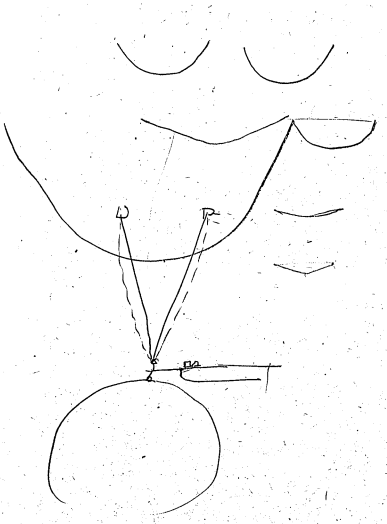

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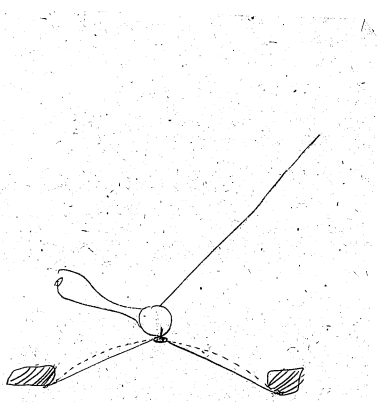

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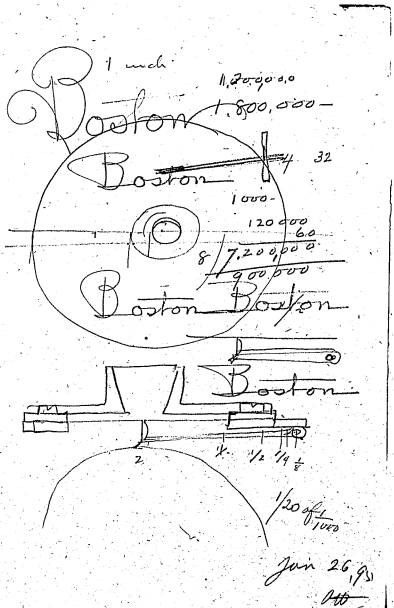
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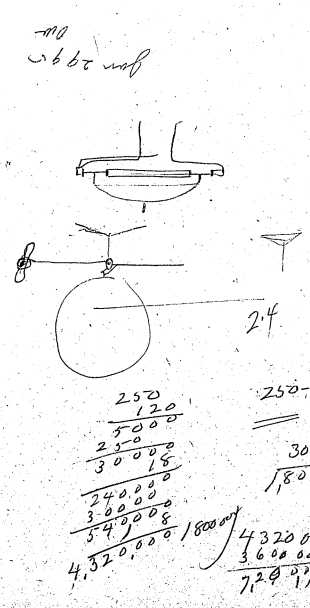
Jan 26, 19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